## DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION Supplemental ☐ Substitute As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled PROTON-SENSING G-PROTEIN COUPLED RECEPTORS AND DNA SEQUENCES THEREOF the specification of which: is attached hereto. was filed on as Application No. (day/month/year) and, if this box (□) contains an \* was amended on (day/month/year) $\boxtimes$ was filed as Patent Cooperation Treaty international Application No. PCT/EP2004/006625 18/June/2004 (day/month/year) and, if this box (□) contains an × entered the national stage in the United States and was accorded Application No. and, if this box (III) contains an \* was amended, subsequent to entry into the national stage, on (day/month/year)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

I hereby claim the benefit under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate listed below and under 35 U.S.C. 365(a) of any Patent Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)	F	PRIORIT	Y CLA	IMED
				Yes		No
				Yes		No
				Yes		No
				Yes		No
				Yes		No
I hereby claim the benefit below:	under 35 U.S.C. 119(e) of	any United States provi	siona	al applica	ation(s	) listed
APPLICATION NO.		FILING DATE (day/month/year)				
50/480,245		20/June/2003				
60/499,549		02/September/2003				

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s) listed below and under 35 U.S.C. 365(c) of any Patent Cooperation Treaty international application(s) designating the United States listed below:

United States	United States	Status (Pending,	Interna	tional
Application No.	Filling Date	Abandoned or U.S.	Application No.	and Filling Date
	(day/month/year)	Patent No.)		(day/month/year)

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If this box (□) contains an x 区, I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basie, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or first joint inventor	Birgit BAUMGARTEN		
Inventor's signature	Birgh Paingter	Date:	<u>04 / 08 12 009</u> (day/month/year)
Residence	4125 Riehen, Switzerland		
Citizenship	Germany		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		
Full name of second joint inventor, if any	Carol Elizabeth JONES		
Inventor's signature		Date	(day/month/year)
Residence	Novartis Horsham Research Centre, Wimblehurst Road, Horsham		
Citizenship	Great Britain		
Post Office Address	Novartis Horsham Research Centre, Wimblehurst Road, Horsham, West Sussex RH12_5AB, Great Britain	**************************************	

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

*************************************		<del></del>	
Full name of third joint inventor, if any	Marie-Gabrielle LUDWIG		
Inventor's signature		Date -	/2 - √. 2.∞ 2 (day/month/year)
Residence	68730 Michelbach-le-bas, France		
Citizenship	France		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		
Full name of fourth joint inventor, if any	Georg MARTINY-BARON		
Inventor's signature	<u> </u>	Date	<u> 43   08   2.00 ら</u> (day/month/year)
Residence	79336 Herbolzheim, Germany		
Citizenship	Germany		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		
Full name of fifth joint inventor, if any	Klaus SEUWEN		
Inventor's signature		Date -	
Residence	68730 Michelbach le Bas, France		
Citizenship	Germany		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		

US

## DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION 図 Original ☐ Supplemental ☐ Substitute As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled PROTON-SENSING G-PROTEIN COUPLED RECEPTORS AND DNA SEQUENCES THEREOF the specification of which: is attached hereto. was filed on as Application No. (day/month/year) and, if this box (III) contains an X П was amended on (day/month/year) |X|was filed as Patent Cooperation Treaty international Application No. PCT/EP2004/006625 18/June/2004 (day/month/year) and, if this box (□) contains an × entered the national stage in the United States and was accorded Application No. and, if this box (CD) contains an X was amended, subsequent to entry into the national stage, on (day/month/year)

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COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)		RIORIT	Y CLA	IMED
				Yes		No
				Yes		No
				Yes		No
				Yes		No
				Yes		No
I hereby claim the benefit below:	t under 35 U.S.C. 119(e) o	f any United States pro	/isiona	al applica	ation(s	) listed
APPLICATION NO.		FILING DATE (day/month/year)				
60/480,245		20/June/2003				
60/499,549		02/Sentember/2003				

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Application No.	Filing Date	Abandoned or U.S.	Application No.	and Filing Date
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Full name of sole or first joint inventor	Birgit BAUMGARTEN		
Inventor's signature		Date .	(day/month/year)
Residence	79594 Inzilingen, Germany		,
Citizenship	Germany		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		
Full name of second joint inventor, if any	Carol Elizabeth JONES		
inventor's signature	Carl Bligated Janes	Date .	10 Acoust 200 (day/month/year)
Residence	Novartis Horsham Research Centre, Wimblehurst Road, Horsham		
Citizenship	Great Britain		
Post Office Address	Novartis Horsham Research Centre, Wimblehurst Road, Horsham, West Sussex RH12_5AB, Great Britain		
A CONTRACTOR OF THE CONTRACTOR			

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		***************************************	
Full name of third joint inventor, if any	Marie-Gabrielle LUDWIG		
Inventor's signature		Date _	
			(day/month/year)
Residence	68730 Michelbach-le-bas, France		
Citizenship	France		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		
Full name of fourth joint inventor, if any	Georg MARTINY-BARON		
Inventor's signature		Date	
			(day/month/year)
Residence	79336 Herbolzheim, Germany		
Citizenship	Germany		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		
Full name of fifth joint inventor, if any	Klaus SEUWEN		
Inventor's signature		Date _	(day/month/year)
Residence	68730 Michelbach le Bas, France		
Citizenship	Germany		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		

Full name of sixth joint inventor, if any	Romain WOLF		
Inventor's signature		Date	
			(day/month/year)
Residence	68440 Schlierbach, France		
Citizenship	Luxemburg		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		
Full name of seventh joint inventor, if any	Lorenza WYDER		
Inventor's signature		Date	
			(day/month/year)
Residence	Sevogelstrasse 76, 4052 Basel, Switzerland		
Citizenship	Switzerland		
Post Office Address	Sevogelstrasse 76, 4052 Basel, Switzerland		
Full name of eighth joint inventor, if any	Thomas SUPLY		
Inventor's signature		Date	
·		*	(day/month/year)
Residence	68440 Zimmersheim, France		
Citizenship	France		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		

## DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION ○ Original Supplemental Substitute As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled PROTON-SENSING G-PROTEIN COUPLED RECEPTORS AND DNA SEQUENCES THEREOF the specification of which: is attached hereto. was filed on as Application No. and, if this box (II) contains an \* was amended on (day/month/year) $\times$ was filed as Patent Cooperation Treaty international Application No. PCT/EP2004/006625 18/June/2004 (day/month/year) and, if this box (□) contains an × $\Box$ entered the national stage in the United States and was accorded Application No. and, if this box (CI) contains an X was amended, subsequent to entry into the national stage, on (day/month/year)

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COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)	۶	RIORIT	Y CLA	IMED	
				Yes		No	
		*		Yes		No	
				Yes		No	
				Yes		No	
				Yes		No	
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:							
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·····			
Full name of sole or first joint inventor	Birgit BAUMGARTEN		
Inventor's signature		Date	(day/month/year)
			(
Residence	79594 Inzlingen, Germany		
Citizenship	Germany		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		
Full name of second joint inventor, if any	Carol Elizabeth JONES		
Inventor's signature		Date	
			(day/month/year)
Residence	Novartis Horsham Research Centre, Wimblehurst Road, Horsham		
Citizenship	Great Britain		
Post Office Address	Novartis Horsham Research Centre, Wimblehurst Road, Horsham, West Sussex RH12 5AB, Great Britain		

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US

Full name of third joint inventor, if any	Marle-Gabrielle LUDWIG		
Inventor's signature		Date	
		<u>.</u>	(day/month/year)
Residence	68730 Michelbach-le-bas, France		
Citizenship	France		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		
Full name of fourth joint inventor, if any	Georg MARTINY-BARON		
Inventor's signature		Date	
			(day/month/year)
Residence	79336 Herbolzheim, Germany		
Citizenship	Germany		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland	•	
Full name of fifth joint inventor, if any	Klaus SEUWEN		
Inventor's signature		Date .	(day/month/year)
			(day/month/year)
Residence	68730 Michelbach le Bas, France		
Citizenship	Germany		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel. Switzerland		

***************************************			
Full name of sixth joint inventor, if any	Romain WOLF		
Inventor's signature		Date	
			(day/month/year)
Residence	68440 Schlierbach, France		
Citizenship	Luxemburg		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		
Full name of seventh joint inventor, if any	Lorenza WYDER		
Inventor's signature	John Wills	Date -	30 / 0 ? / 200 <sup>4</sup> (dáy/month/year)
Residence	Erstfeldstrasse 74, 4054 Basel, Switzerland		
Citizenship	Switzerland		
Post Office Address	Erstfeldstrasse 74, 4054 Basel, Switzerland		
Full name of eighth joint inventor, if any	Thomas SUPLY		
Inventor's signature		Date	(day/month/year)
Residence	68440 Zimmersheim, France		
Citizenship	France		
Post Office Address	Novartis Pharma AG, Postfach, 4002 Basel, Switzerland		